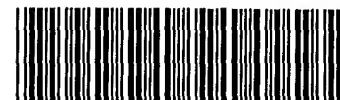


cup #2



OIPE

ENTERED

RAW SEQUENCE LISTING

DATE: 02/25/2002

PATENT APPLICATION: US/10/067,620

TIME: 14:43:43

Input Set : A:\SEQLIST416272003400.TXT

Output Set: N:\CRF3\02252002\J067620.raw

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4 <110> APPLICANT: Buchanan, Bob B.
5     del Val, Gregorio
6     Frick, Oscar L.
7     Teuber, Suzanne S.
9 <120> TITLE OF INVENTION: WALNUT AND RYEGRASS ALLERGENS
12 <130> FILE REFERENCE: 416272003400
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/067,620
C--> 14 <141> CURRENT FILING DATE: 2002-02-04
14 <150> PRIOR APPLICATION NUMBER: US 60/266,686
15 <151> PRIOR FILING DATE: 2001-02-05
17 <160> NUMBER OF SEQ ID NOS: 11
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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22 <211> LENGTH: 14
23 <212> TYPE: PRT
24 <213> ORGANISM: Ragweed
26 <220> FEATURE:
28 <221> NAME/KEY: VARIANT
29 <222> LOCATION: 1,2
30 <223> OTHER INFORMATION: Xaa = Leucine or Isoleucine
32 <400> SEQUENCE: 1
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34   1           5           10
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 9
38 <212> TYPE: PRT
39 <213> ORGANISM: Ragweed
41 <220> FEATURE:
43 <221> NAME/KEY: VARIANT
44 <222> LOCATION: 6
45 <223> OTHER INFORMATION: Xaa= Leucine or Isoleucine
47 <400> SEQUENCE: 2
W--> 48 Pro Thr Ser Phe Asn Xaa Ala Thr Lys
49   1           5
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52 <211> LENGTH: 9
53 <212> TYPE: PRT
54 <213> ORGANISM: Ragweed
56 <220> FEATURE:
58 <221> NAME/KEY: VARIANT
59 <222> LOCATION: 1
60 <223> OTHER INFORMATION: Xaa= Leucine or Isoleucine
62 <400> SEQUENCE: 3

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RAW SEQUENCE LISTING

DATE: 02/25/2002

PATENT APPLICATION: US/10/067,620

TIME: 14:43:43

Input Set : A:\SEQLIST416272003400.TXT

Output Set: N:\CRF3\02252002\J067620.raw

W--> 63 Xaa Tyr Gly Leu Val Gln Phe Asn Arg

64 1 5

66 <210> SEQ ID NO: 4

67 <211> LENGTH: 7

68 <212> TYPE: PRT

69 <213> ORGANISM: Ragweed

71 <220> FEATURE:

73 <221> NAME/KEY: VARIANT

74 <222> LOCATION: 3

75 <223> OTHER INFORMATION: Xaa= Leucine or Isoleucine

77 <400> SEQUENCE: 4

W--> 78 Phe Tyr Xaa Phe Ser Thr Lys

79 1 5

81 <210> SEQ ID NO: 5

82 <211> LENGTH: 10

83 <212> TYPE: PRT

84 <213> ORGANISM: Ragweed

86 <220> FEATURE:

88 <221> NAME/KEY: VARIANT

89 <222> LOCATION: 7,9

90 <223> OTHER INFORMATION: Xaa= Leucine or Isoleucine

92 <400> SEQUENCE: 5

W--> 93 Phe Tyr Ala Thr Glu Val Xaa Asp Xaa Asp

94 1 5 10

96 <210> SEQ ID NO: 6

97 <211> LENGTH: 16

98 <212> TYPE: PRT

99 <213> ORGANISM: Ragweed

101 <400> SEQUENCE: 6

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103 1 5 10 15

105 <210> SEQ ID NO: 7

106 <211> LENGTH: 13

107 <212> TYPE: PRT

108 <213> ORGANISM: Ragweed

110 <400> SEQUENCE: 7

111 Met Tyr Ala Thr Glu Val Leu Asp Leu Asp Gly Ser Lys

112 1 5 10

114 <210> SEQ ID NO: 8

115 <211> LENGTH: 14

116 <212> TYPE: PRT

117 <213> ORGANISM: Ragweed

119 <400> SEQUENCE: 8

120 Tyr Ser Asp Gly Asn Phe Phe Gly Ala Gly Leu Asp His Gln

121 1 5 10

123 <210> SEQ ID NO: 9

124 <211> LENGTH: 6

125 <212> TYPE: PRT

126 <213> ORGANISM: Ragweed

RAW SEQUENCE LISTING

DATE: 02/25/2002

PATENT APPLICATION: US/10/067,620

TIME: 14:43:43

Input Set : A:\SEQLIST416272003400.TXT

Output Set: N:\CRF3\02252002\J067620.raw

128 <400> SEQUENCE: 9
129 Leu Leu Asn Asn Met Arg
130 1 5
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 8
134 <212> TYPE: PRT
135 <213> ORGANISM: Ragweed
137 <400> SEQUENCE: 10
138 Val Glu Ala Ser Ala Glu Leu Arg
139 1 5
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 9
143 <212> TYPE: PRT
144 <213> ORGANISM: Ragweed
146 <400> SEQUENCE: 11
147 Leu Leu Ser Gly Leu Ser Asp Thr Val
148 1 5

VERIFICATION SUMMARY

DATE: 02/25/2002

PATENT APPLICATION: US/10/067,620

TIME: 14:43:44

Input Set : A:\SEQLIST416272003400.TXT

Output Set: N:\CRF3\02252002\J067620.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:48 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:63 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5